SBR No - 31/16-17
21.5.16

Original/Duplicate/Triplicate

P.W.G. 17 | Ist and final bill | **CONTRACT CERTIFICATE** | Reference paras 158 & 170

NO

Yelahanka Sub division Yelahanka New Town Date

Bills received No Date Sub-divisional Cash book vr No

Divisional Date

Scheduled Docket No Head of account

SNR-DBR No. 80
Date 31.05.16

Name of work(as per sanctioned estimate) :-

NAME OF WORK : **Development and improvements to roads and drains in main roads and cross roads of ward no 03 Attur**

**Work code:**

Name of contractor and full address :-

Technical Manager (west)

Reference to agreement No :- 46 Estimated cost :50.00 W.O.dated:46, 10/03/2016

Certified that the measurments were taken by me on 31/5/16 and recorded on pages 462202-462211 to of measurment book No 4623 and the work is satisfactorily executed by the contractor.

EXECUTIVE ENGINEER-4
Signature, Designation,
KRIDL, BBMP, DIVISION,
BANGALORE-560 010

Assistant Engineer

Certified that the measurements were taken by me on and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

ಸಹಾಯಕ ಇಂಜಿನಿಯರ್ ನಿರ್ವಹಣಾ ವಿಭಾಗ,
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಕ.ಕ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

## II MEMORANDUM OF PAYMENT

| | | |
|---|---|---|
| 1) Total value of work done or supplies as per A/c within | | |
| 2) Deduct amount to be held in reserve being-----percent Rs----------%--------- | | |
| 3) Balance--- | | |
| 4) Deduct payments | B/4 | 4996620 |
| a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount | FSD | 324780 |
| b) Cost of payments/stores or other materials supplied now made recovery of Amount paid on this bill by cheque/cash | IT | 99935 |
| | KST | 199865 |
| Total | LWF | 49920 |
| | CBF | 4995 |
| | LR | 135870 |
| 5). Balance being unpaid value of work done held in reserve | | |
| 6) Deduct cash of advance made on divisional/sub divisional cash book | | |
| 7) Net amount due to or from contractor. | | |
| UN ADJUSTED ITEMS | | |
| 8) Advance to contractor for materials to site(as detailed within) | TD | 815415 |
| 9) Value of government materials supplied. | CH | 4181205 |
| TOTAL AMOUNT UN-ADJUSTED | B/4 | 4996620 |

**Contractor's signatures**

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

EXECUTIVE ENGINEER-4
Signature of Contractor
KRIDL, BBMP, DIVISION,
BANGALORE-560 010

Reciept Stamp

Audited & Admitted for Rs. 4996620/-

B 4181205/- by Cheque

and Rs. 815415/- by adjustment

Executive Engineer
Yelahanka Division
BBMP

paid by Cash/Cheque No dated

Cash Rs

Date Initials of officer making payment Date

| Sl. No | Items grouped under Sub-heads and Sub-works of the estimate | Unit | Previous Measurment | | Present Measurment | | | Total Up to date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Cost | Qty | Rate | Amount | Qty | |
| 1 | Removing B.S slab of drain and stacking.(PWD SR 2015-2016,Page no-25,item no5.32) | sqm | | | 721.79 | 63.72 | 45992.00 | 721.79 | 45992.00 |
| 2 | Refixing stone slabs of drains and pointing in CM(1:3),(PWD SR 2015-2016,Page no-25,item no5.33) | Sqm | | | 721.79 | 78.84 | 56906.00 | 721.79 | 56906.00 |
| 3 | Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete **do 7.5 cms** thick,(PWD SR 2015-2016,Page no-25,item no5.31) | sqm | | | 388.66 | 663.12 | 257728.00 | 388.66 | 257728.00 |
| 4 | KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift up to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2015-16) | Cum | | | 567.39 | 83.16 | 47184.00 | 567.39 | 47184.00 |
| 5 | excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. | Cum | | | 4.75 | 288.36 | 1370.00 | 4.75 | 1370.00 |

| Sl. No | Items grouped under Sub-heads and -works of the estimate | Unit | Previous Measurment | | Present Measurment | | | Total Up to date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Cost | Qty | Rate | Amount | Qty | Cost |
| 6 | KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exceeding 15cms.thick, well compacted in foundation,including cost of all materials, labour, HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2 (Item no4.3,Page no12,PWD SR 2015-16) | Cum | | | 1.01 | 5070.6 | 5121.00 | 1.01 | 5121.00 |
| 7 | KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2015- | Cum | | | 3.77 | 6198.12 | 23367.00 | 3.77 | 23367.00 |

| Sl. No | Items grouped under Sub-heads and sub-works of the estimate | Unit | Previous Measurment | | Present Measurment | | | Total Up to date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Cost | Qty | Rate | Amount | Qty | Cost |
| 8 | KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe500(pwd sr 2015- | mt | | | 0.37 | 69805.8 | 25828.00 | 0.37 | 25828.00 |
| 9 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecification. Specification no.KBS 4.6.2 (pwd sr2015-16 p no15/4 31) | Sqm | | | 16.81 | 306.72 | 5156.00 | 16.81 | 5156.00 |
| 10 | KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A Plant Mix Method | Cum | | | 735.15 | 1654.56 | 1216350.00 | 735.15 | 1216350.00 |

| Sl. No | Items grouped under Sub-heads and works of the estimate | Unit | Previous Measurment | | Present Measurment | | | Total Up to date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Cost | Qty | Rate | Amount | Qty | Cost |
| 11 | KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification: 406 ( PWD SR | **Cum** | | | 751.17 | 1713.96 | 1287475.00 | 751.17 | 1287475.00 |
| 12 | KSRRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH SpecificationsNo502 (ITEMNO21.6 Page | Sqm | | | 1413.75 | 32.40 | 45806.00 | 1413.75 | 45806.00 |
| 13 | KSRB M500-13: Providing and laying bituminos macadam 50mm thick with 100-120 TPH hot mix plant producing an average out of 75 tonnes per hour using crushed aggregates of specified grading premixed with bitiminous binder, transported to site, laid over a prevuiusky prepared syrface with paver finisher to the required grade, level and alignament and rolled as per clauses 501.6 and 501.7 to achive the desired cinpactuib complete as per specifications. Mother specification No.504, 50-75mm compacted | Cum | | | 70.69 | 6864.48 | 485250.00 | 70.69 | 485250.00 |

| Sl. No | Items grouped under Sub-heads and Sub-works of the estimate | Unit | Previous Measurment | | Present Measurment | | | Total Up to date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Cost | Qty | Rate | Amount | Qty | Cost |
| 14 | KSRB 500-09:Tack coat:Providing and applying tack coat with bitumen emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom, complete as per specifications. MORTH specification No.503 using bitumen emulsion (P-160 & 21.0) | Sqm | | | 2240.00 | 24.84 | 55642.00 | 2240.00 | 55642.00 |
| 15 | KSRRB M500-19: Providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete | Cum | | | 89.60 | 11041.92 | 989356.00 | 89.60 | 989356.00 |

| Sl. No | Items grouped under Sub-heads and Sub-works of the estimate | Unit | Previous Measurment | | Present Measurment | | | Total Up to date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Cost | Qty | Rate | Amount | Qty | Cost |
| 16 | KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 | sqm | | | 76.00 | 473.04 | 35951.00 | 76.00 | 35951.00 |
| 17 | KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/ sand/kanker/ Moorum. KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 133, PWD SR 2015-16) | Cum | | | 572.14 | 73.44 | 42018.00 | 572.14 | 42018.00 |
| | | | | | TOTAL | | 4626500.00 | | 4626500.00 |
| | | | | | KRIDL Charges 8% | | 370120.00 | | 370120.00 |
| | **TOTAL** | | | | | | **4996620.00** | | **4996620.00** |

Asst. Engineer

Asst. Executive Engineer

4627113 =
8% KRIDL + 370169 =
4997282 =
It to be Amt Rs. 4996620